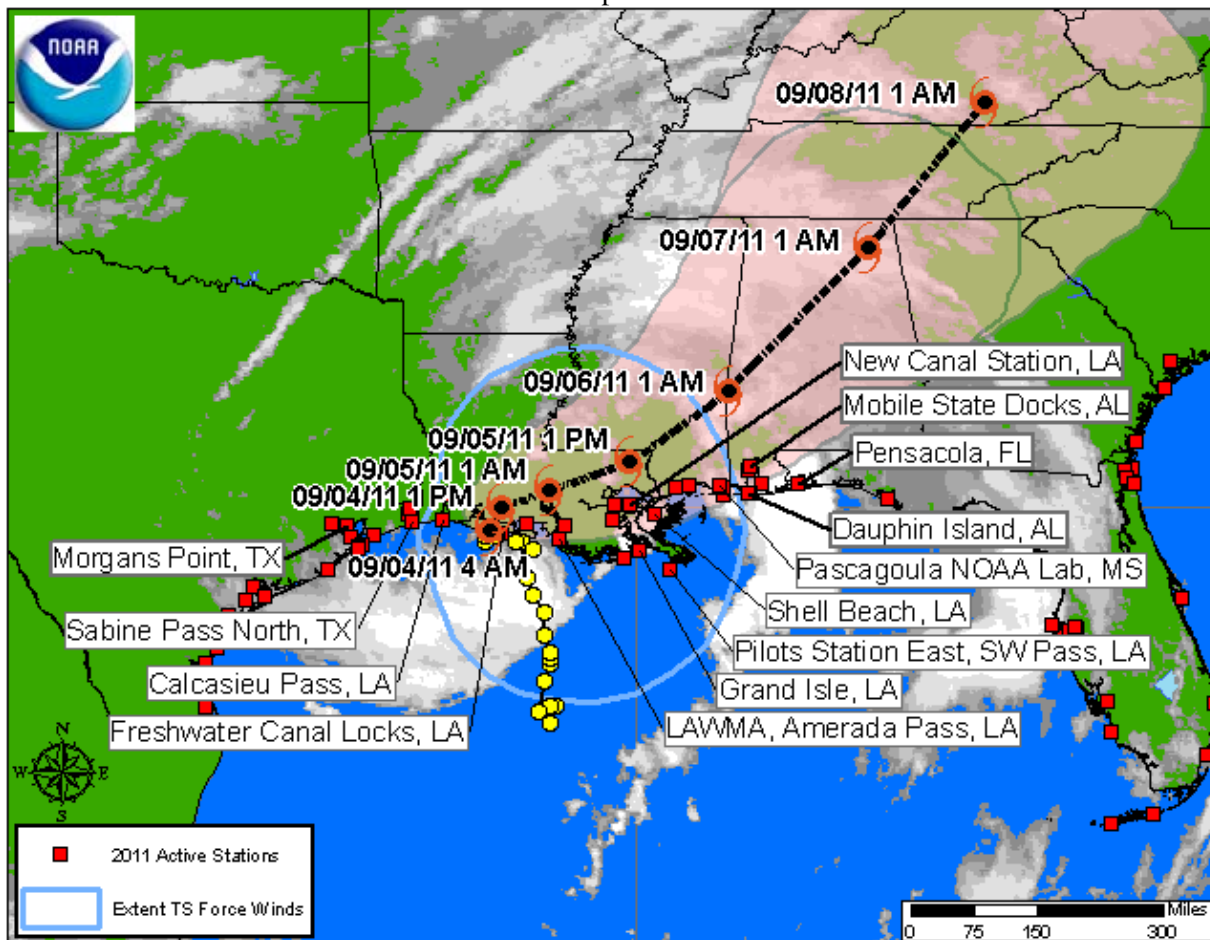




Tropical Storm LEE QuickLook
Posted: 05:00 CDT 09/04/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

CENTER OF LEE ON THE COAST OF SOUTHERN LOUISIANA

As of 09/04/2011 05:00 CDT, water levels along the northern Gulf of Mexico coastline from the western Florida panhandle to central Louisiana are elevated and range between 1.25 and 3.75 feet above predictions. Over the past 6 hours, LAWMA, Amerada Pass, LA has shown a steady increase in water level and is now 3.7 feet above predictions. Shell Beach, LA also continues to measure a high water level residual and is presently about 3.25 feet above predictions. Water levels within Lake Pontchartrain are also elevated, partially due to runoff from excessive rainfall. New Canal Station, LA, located within Lake Pontchartrain, continues to rise and is presently about 4.0 feet above predicted levels. Water level stations to the east of LEE, along the southwestern Louisiana and southeastern Texas coastlines including Galveston Bay, range between 0.5 and over 3.0 feet below predictions.

Winds from southeastern Louisiana to Alabama range between 15 and 30 kts with gusts up to 40 kts being

Tropical Storm LEE QuickLook, POSTED 05:00 CDT 09/04/2011

observed at several locations in the past few hours.

Barometric pressure is beginning to bottom out at many locations.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.1 ft (0.35 m) at 09/04/2011 04:37 CDT and 1.3 ft (0.41 m) at 09/05/2011 01:12 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.47 m) at 09/05/2011 04:15 CDT and 1.3 ft (0.41 m) at 09/05/2011 01:12 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.6 ft (0.50 m) at 09/05/2011 02:43 CDT and 1.6 ft (0.50 m) at 09/06/2011 04:24 CDT.

Shell Beach, LA: Next predicted high tides are 1.6 ft (0.48 m) at 09/04/2011 06:56 CDT and 1.6 ft (0.49 m) at 09/05/2011 07:46 CDT.

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/04/2011 11:44 CDT and 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.7 ft (0.51 m) at 09/05/2011 03:41 CDT and 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT.

Dauphin Island, AL: Next predicted high tides are 1.7 ft (0.52 m) at 09/05/2011 04:47 CDT and 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT.

Mobile State Docks, AL: Next predicted high tides are 2.0 ft (0.61 m) at 09/04/2011 05:01 CDT and 2.0 ft (0.61 m) at 09/05/2011 05:57 CDT.

Pensacola, FL: Next predicted high tides are 1.8 ft (0.56 m) at 09/05/2011 05:08 CDT and 2.0 ft (0.61 m) at 09/05/2011 05:57 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.1 ft (0.65 m) at 09/04/2011 23:17 CDT and 2.2 ft (0.66 m) at 09/06/2011 00:09 CDT.

Calcasieu Pass, LA: Next predicted high tides are 1.9 ft (0.59 m) at 09/04/2011 06:28 CDT and 2.2 ft (0.66 m) at 09/05/2011 00:18 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.7 ft (0.52 m) at 09/04/2011 06:55 CDT and 1.8 ft (0.57 m) at 09/05/2011 00:43 CDT.

Morgans Point, TX: Next predicted high tides are 1.6 ft (0.50 m) at 09/04/2011 05:43 CDT and 1.7 ft (0.51 m) at 09/05/2011 07:04 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM LEE ADVISORY NUMBER 11

400 AM CDT SUN SEP 04 2011

...CENTER OF LEE ON THE COAST OF SOUTHERN LOUISIANA...

WATCHES AND WARNINGS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* DESTIN FLORIDA WESTWARD TO SABINE PASS TEXAS...INCLUDING THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 400 AM CDT THE CENTER OF TROPICAL STORM LEE WAS LOCATED ABOUT 80 MI W OF MORGAN CITY LOUISIANA AND ABOUT 50 MI SW OF LAFAYETTE LOUISIANA. LEE IS MOVING TOWARD THE NORTH NEAR 2 MPH. A SLOW NORTHEASTWARD MOTION IS EXPECTED LATER TODAY...FOLLOWED BY A TURN TO THE EAST-NORTHEAST TONIGHT. ON THE FORECAST TRACK...THE CENTER WILL MOVE SLOWLY OVER SOUTHERN LOUISIANA TODAY AND TONIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 45 MPH WITH HIGHER GUSTS. GRADUAL WEAKENING IS FORECAST DURING THE NEXT COUPLE OF DAYS.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 275 MILES...445 KM FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 987 MB...29.15 INCHES.

HAZARDS AFFECTING LAND

RAINFALL...TROPICAL STORM LEE IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 10 TO 15 INCHES FROM THE CENTRAL GULF COAST NORTHWARD INTO THE TENNESSEE VALLEY...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES THROUGH MONDAY NIGHT. THESE RAINS ARE EXPECTED TO CAUSE EXTENSIVE FLOODING AND FLASH FLOODING.

STORM SURGE...WATER LEVELS OF AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ARE OCCURRING OVER PORTIONS OF THE LOUISIANA COAST. WATER LEVELS OF AS MUCH AS 1 TO 3 FEET ABOVE GROUND LEVEL ARE OCCURRING ALONG THE MISSISSIPPI AND ALABAMA COASTS...INCLUDING MOBILE BAY.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO CONTINUE OVER PORTIONS OF THE WARNING AREA TODAY AND TONIGHT.

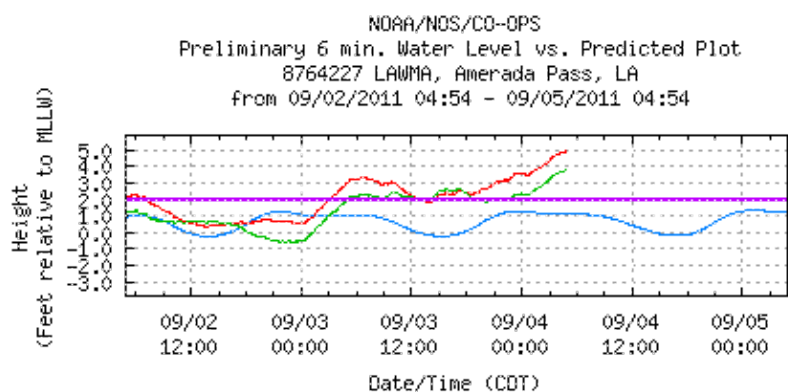
TORNADOES...A FEW TORNADOES WILL BE POSSIBLE TODAY AND TONIGHT OVER PORTIONS OF SOUTHERN LOUISIANA...SOUTHERN MISSISSIPPI...SOUTHERN ALABAMA...AND THE FAR WESTERN FLORIDA PANHANDLE.

FORECASTER PASCH

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Mobile State Docks - Water Level](#), [Pensacola - Water Level](#), [Pensacola - Barometric](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Morgans Point - Water Level](#), [Morgans Point - Winds](#),

LAWMA, Amerada Pass, LA - Return to List



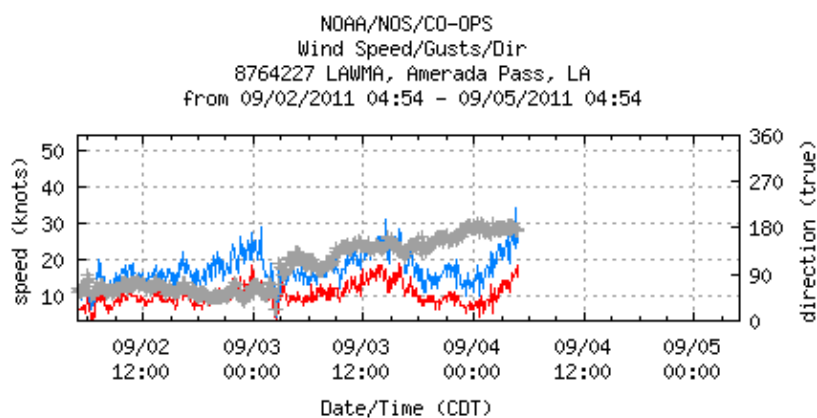
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 04:48 (CDT)

Relative to MLLW: **Observed: 4.92 ft.** **Predicted: 1.14 ft.** **Residual: 3.78 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

LAWMA, Amerada Pass, LA - Return to List

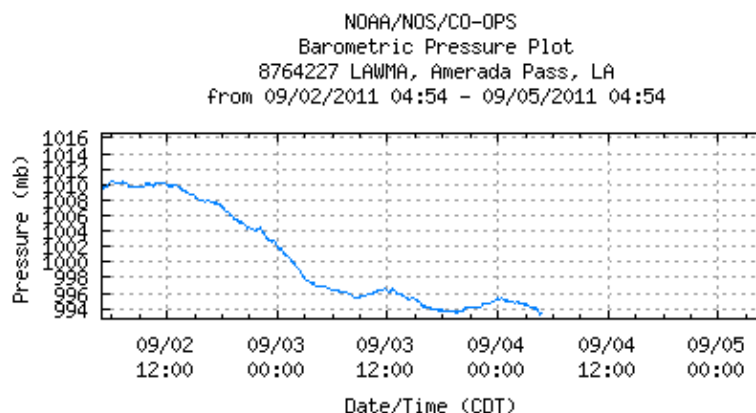


speed — gusts — direction +

Last Observed Sample: 09/04/2011 04:48 (CDT)

Wind Speed: 18 knots **Gusts: 27 knots** **Direction: 176° T**

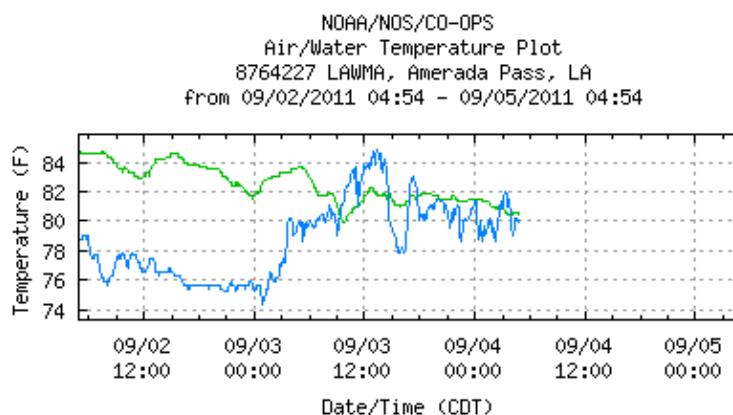
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/04/2011 04:48 (CDT)

Barometric Pressure: 993.4 mb

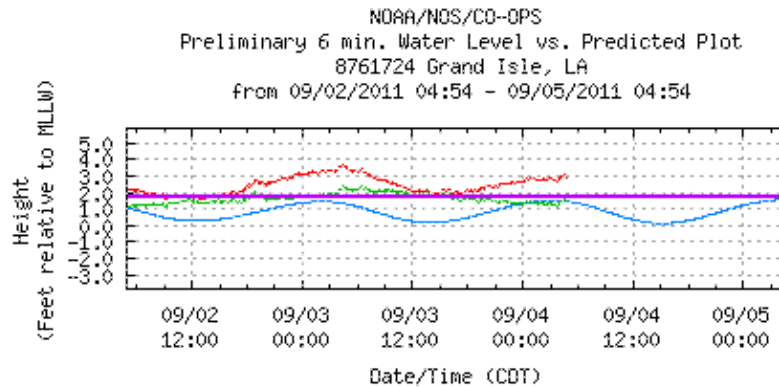
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/04/2011 04:48 (CDT)

Water Temperature: 80.4° F Air Temperature: 80.1° F

Grand Isle, LA - Return to List

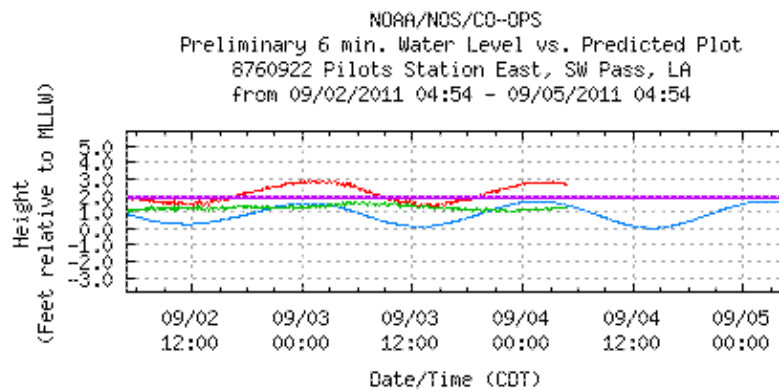


Last Observed Sample: 09/04/2011 04:48 (CDT)

Relative to MLLW: **Observed: 2.93 ft.** **Predicted: 1.46 ft.** **Residual: 1.47 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

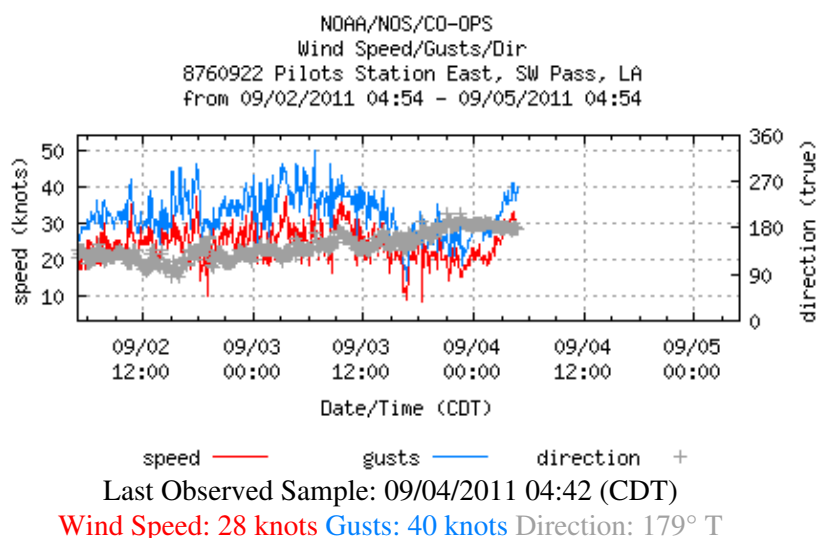


Last Observed Sample: 09/04/2011 04:42 (CDT)

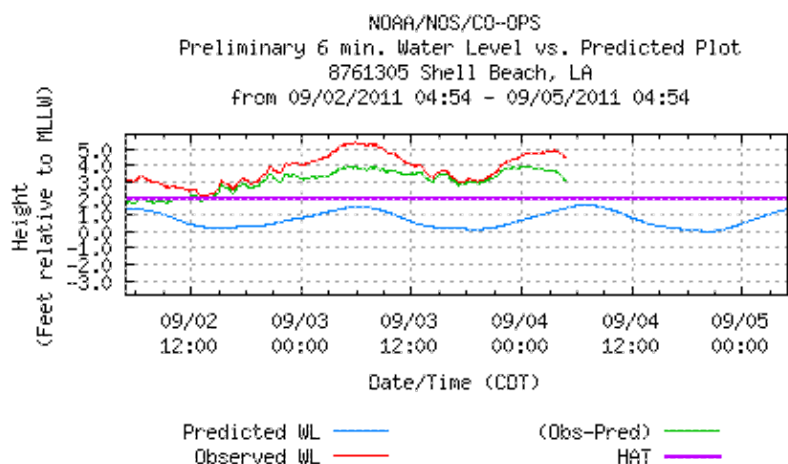
Relative to MLLW: **Observed: 2.67 ft.** **Predicted: 1.42 ft.** **Residual: 1.25 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

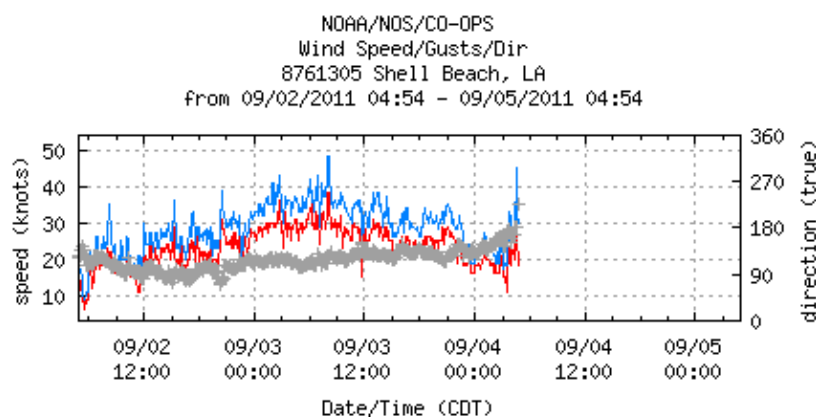


Shell Beach, LA - Return to List



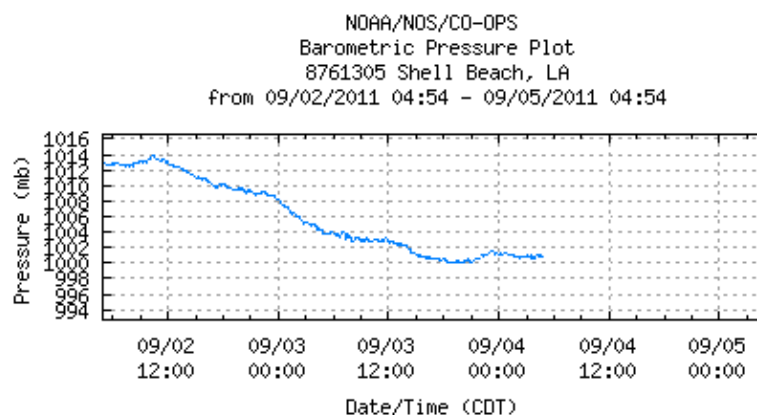
Last Observed Sample: 09/04/2011 04:48 (CDT)
Relative to MLLW: Observed: 4.48 ft. Predicted: 1.42 ft. Residual: 3.06 ft.
Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW

Shell Beach, LA - Return to List



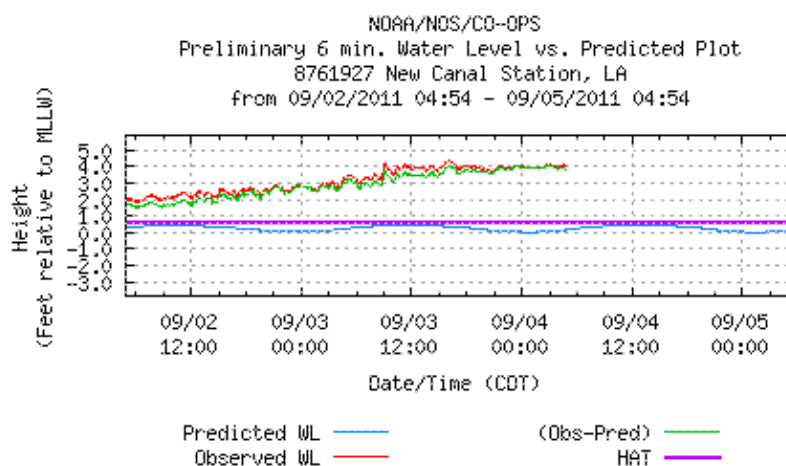
speed — gusts — direction +
Last Observed Sample: 09/04/2011 04:48 (CDT)
Wind Speed: 18 knots Gusts: 30 knots Direction: 226° T

Shell Beach, LA - Return to List



barometric pressure —
Last Observed Sample: 09/04/2011 04:48 (CDT)
Barometric Pressure: 1000.9 mb

New Canal Station, LA - Return to List

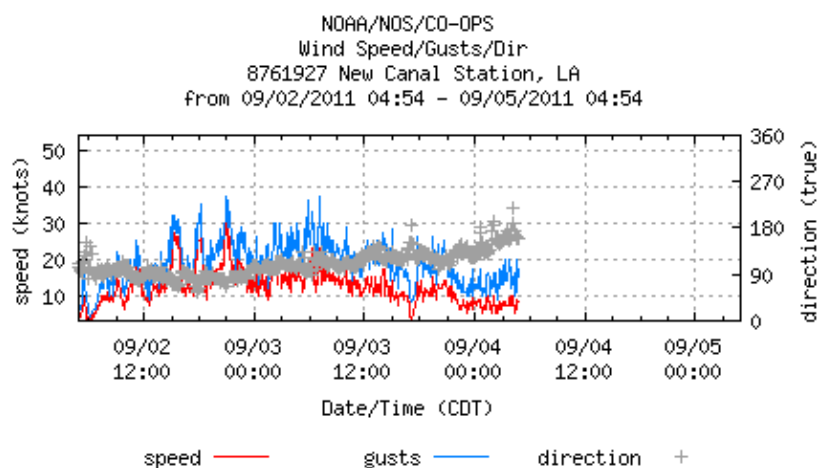


Last Observed Sample: 09/04/2011 04:42 (CDT)

Relative to MLLW: **Observed: 4.00 ft.** **Predicted: 0.14 ft.** **Residual: 3.86 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

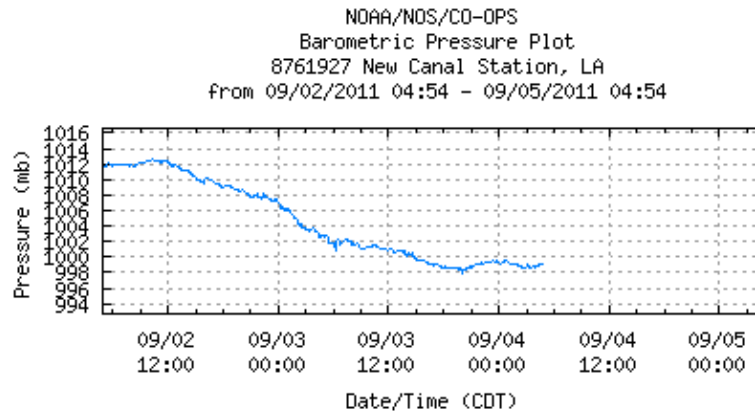
New Canal Station, LA - Return to List



Last Observed Sample: 09/04/2011 04:42 (CDT)

Wind Speed: 8 knots **Gusts: 15 knots** **Direction: 160° T**

New Canal Station, LA - Return to List

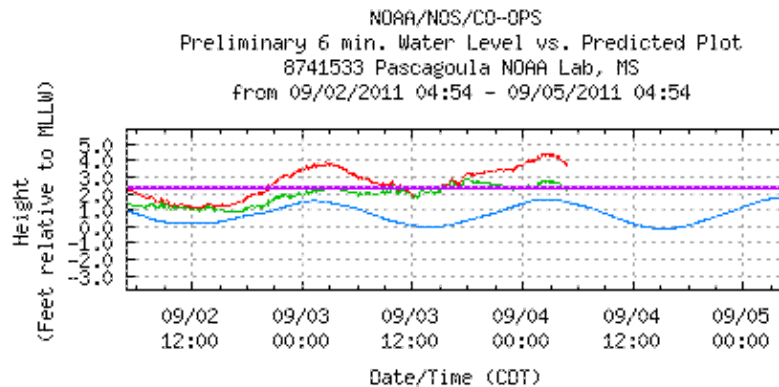


barometric pressure —

Last Observed Sample: 09/04/2011 04:42 (CDT)

Barometric Pressure: 999.2 mb

Pascagoula NOAA Lab, MS - Return to List



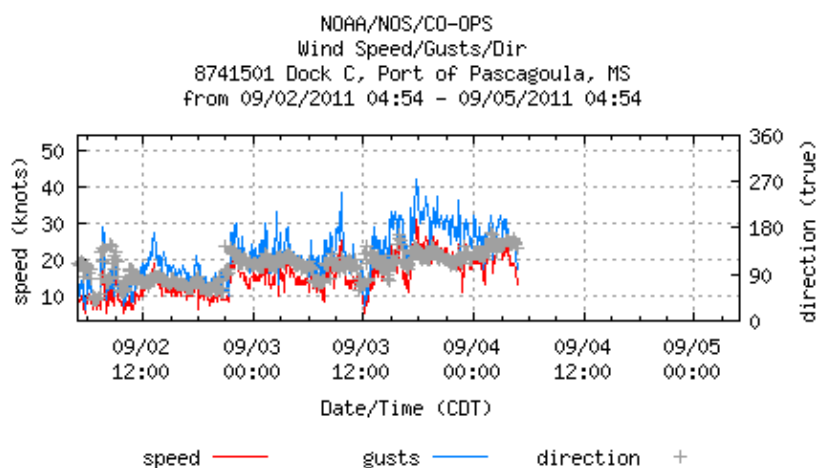
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 04:48 (CDT)

Relative to MLLW: Observed: 3.67 ft. Predicted: 1.47 ft. Residual: 2.20 ft.

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

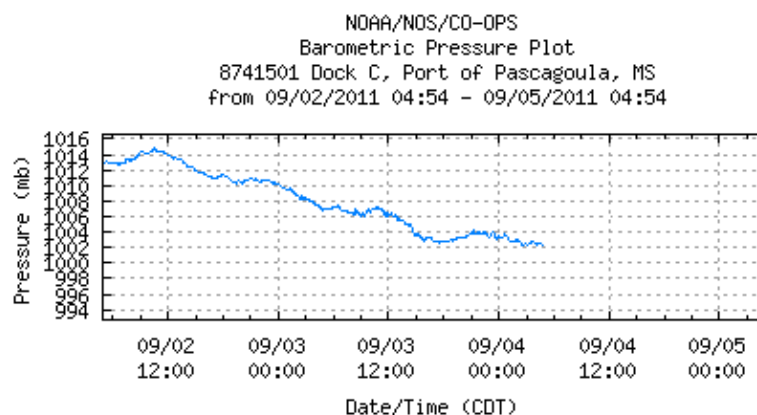
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 09/04/2011 04:42 (CDT)

Wind Speed: 13 knots Gusts: 17 knots Direction: 142° T

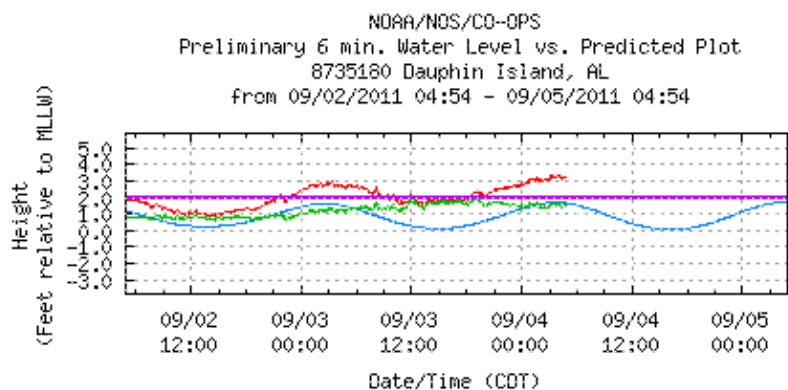
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 09/04/2011 04:42 (CDT)

Barometric Pressure: 1002.4 mb

Dauphin Island, AL - Return to List



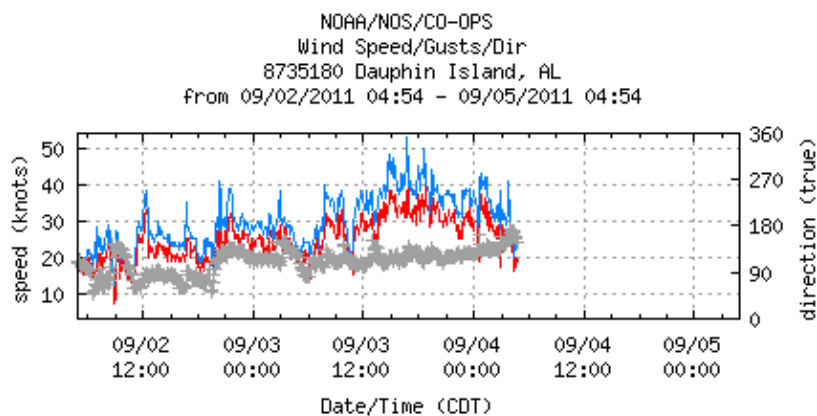
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 04:42 (CDT)

Relative to MLLW: **Observed: 3.17 ft.** **Predicted: 1.66 ft.** **Residual: 1.51 ft.**

Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above MHHW

Dauphin Island, AL - Return to List

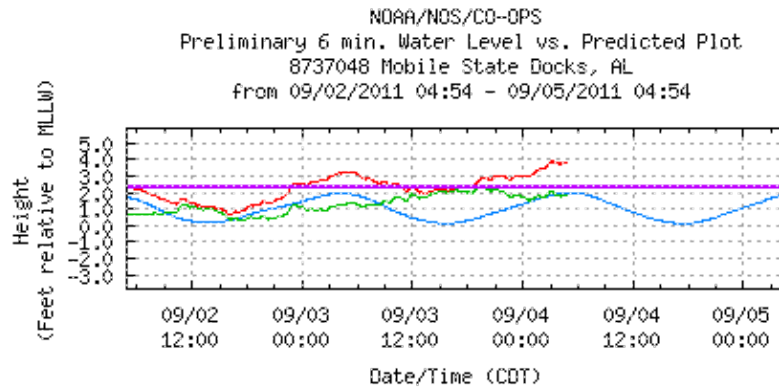


speed — gusts — direction +

Last Observed Sample: 09/04/2011 04:42 (CDT)

Wind Speed: 19 knots **Gusts: 26 knots** **Direction: 148° T**

Mobile State Docks, AL - Return to List

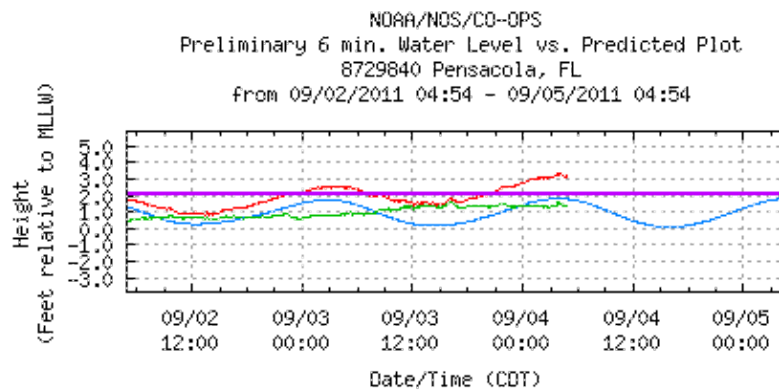


Last Observed Sample: 09/04/2011 04:42 (CDT)

Relative to MLLW: **Observed: 3.80 ft.** **Predicted: 2.00 ft.** **Residual: 1.80 ft.**

Historical Maximum Water Level: Sep 26 2002, 3.64 ft. above MHHW

Pensacola, FL - Return to List

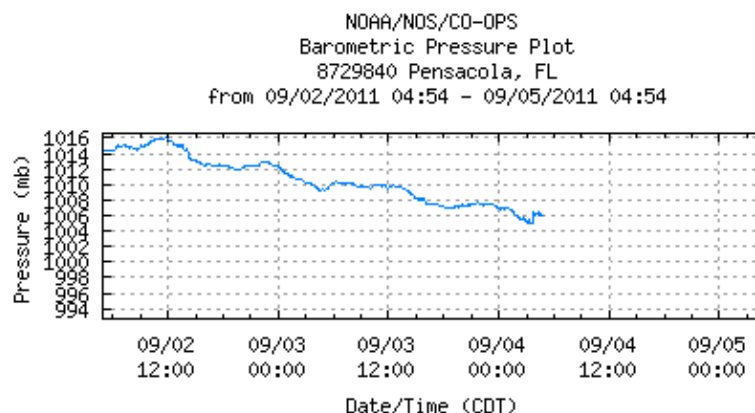


Last Observed Sample: 09/04/2011 04:48 (CDT)

Relative to MLLW: **Observed: 3.15 ft.** **Predicted: 1.78 ft.** **Residual: 1.37 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

Pensacola, FL - Return to List

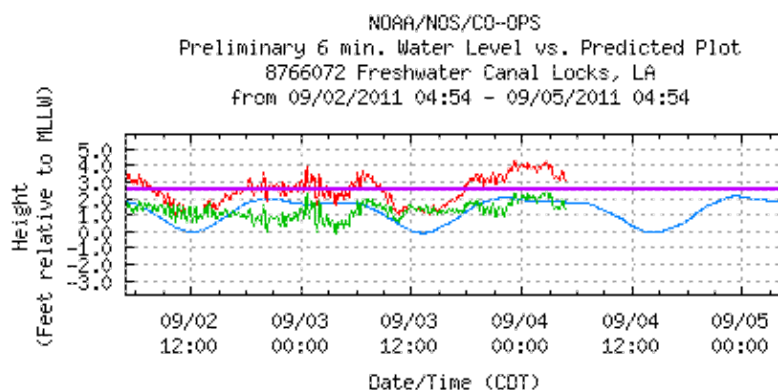


barometric pressure —

Last Observed Sample: 09/04/2011 04:48 (CDT)

Barometric Pressure: 1006.1 mb

Freshwater Canal Locks, LA - Return to List



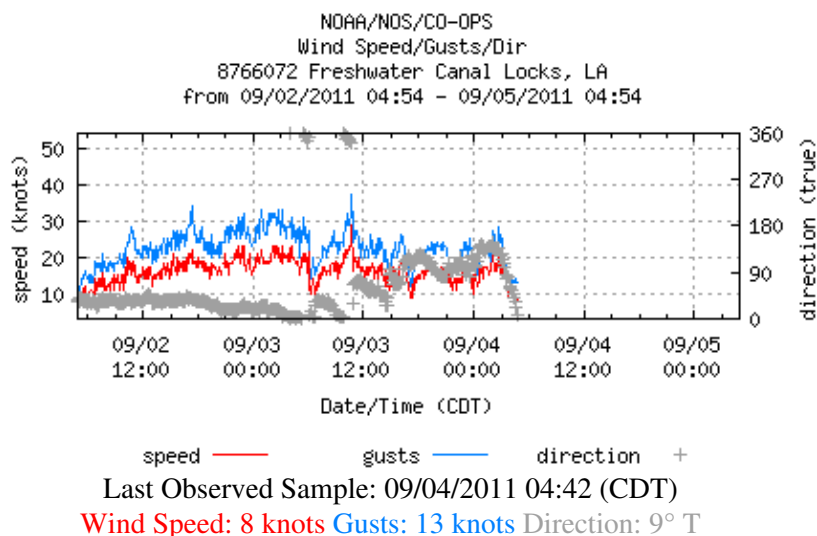
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 04:42 (CDT)

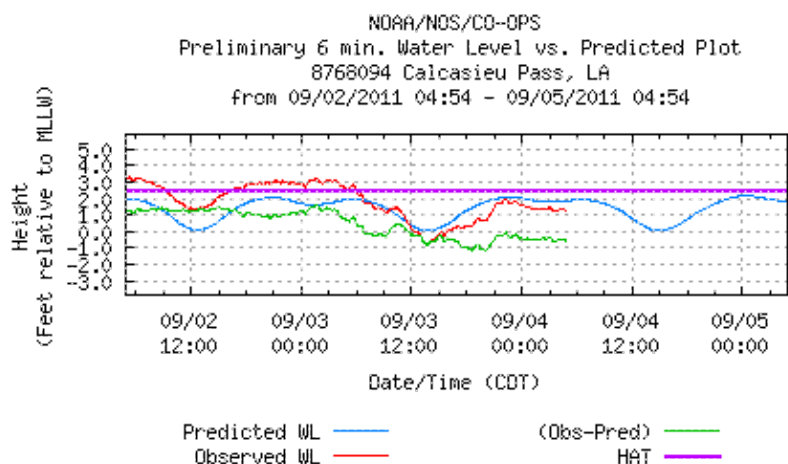
Relative to MLLW: Observed: 3.12 ft. Predicted: 1.78 ft. Residual: 1.34 ft.

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

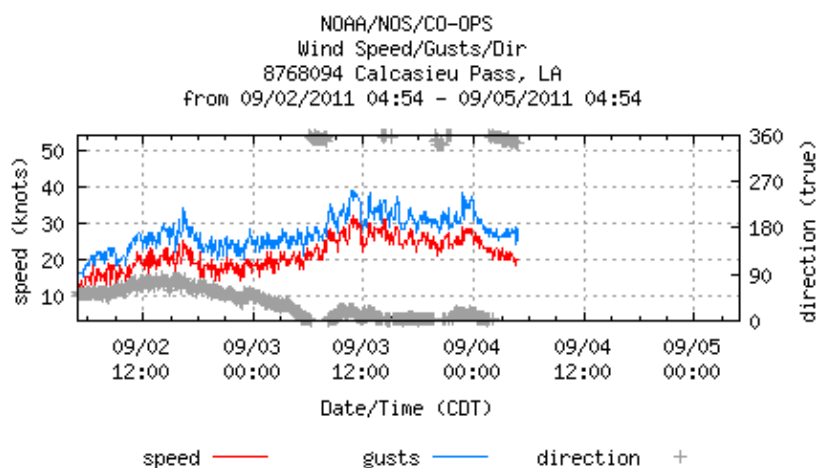


Calcasieu Pass, LA - Return to List



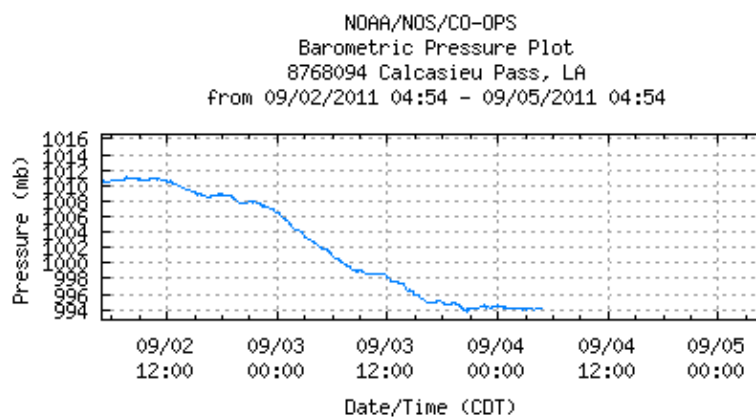
Last Observed Sample: 09/04/2011 04:48 (CDT)
Relative to MLLW: Observed: 1.29 ft. Predicted: 1.85 ft. Residual: -0.56 ft.
Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

Calcasieu Pass, LA - Return to List



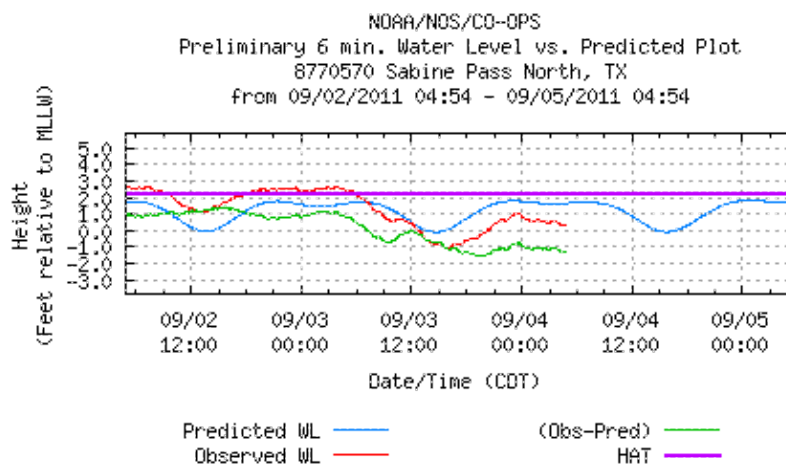
Last Observed Sample: 09/04/2011 04:48 (CDT)
Wind Speed: 20 knots Gusts: 25 knots Direction: 344° T

Calcasieu Pass, LA - Return to List



Last Observed Sample: 09/04/2011 04:48 (CDT)
Barometric Pressure: 994.3 mb

Sabine Pass North, TX - Return to List

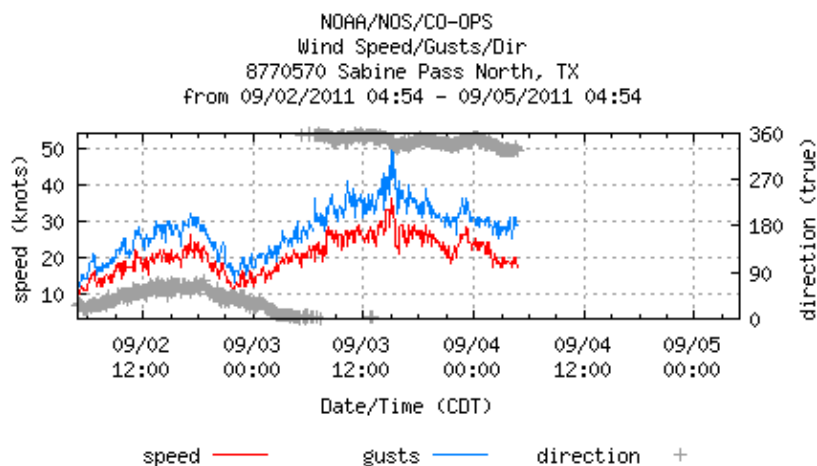


Last Observed Sample: 09/04/2011 04:42 (CDT)

Relative to MLLW: **Observed: 0.30 ft.** **Predicted: 1.64 ft.** **Residual: -1.34 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

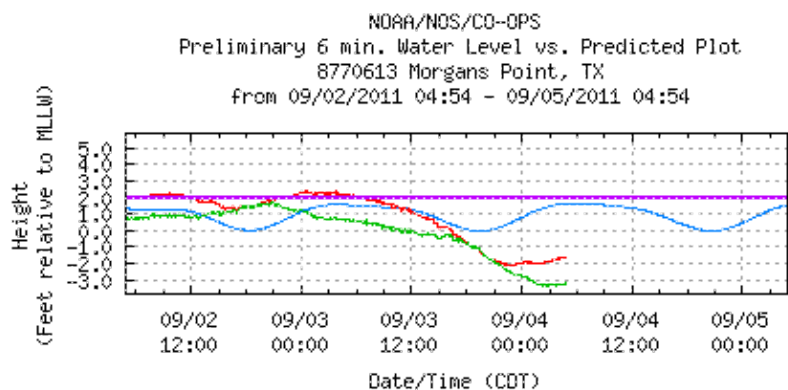
Sabine Pass North, TX - Return to List



Last Observed Sample: 09/04/2011 04:42 (CDT)

Wind Speed: 17 knots **Gusts: 29 knots** **Direction: 328° T**

Morgans Point, TX - Return to List



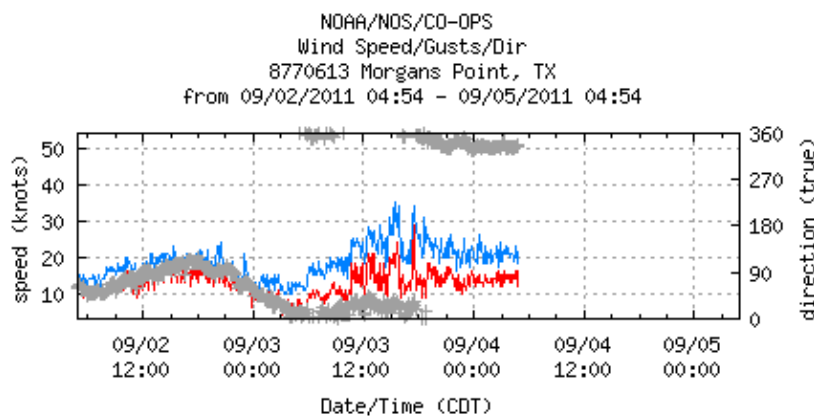
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 04:48 (CDT)

Relative to MLLW: **Observed: -1.62 ft.** **Predicted: 1.61 ft.** **Residual: -3.23 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.19 ft. above MHHW

Morgans Point, TX - Return to List



speed — gusts — direction +

Last Observed Sample: 09/04/2011 04:48 (CDT)

Wind Speed: 12 knots **Gusts: 18 knots** **Direction: 337° T**

Tropical Storm LEE QuickLook, POSTED 05:00 CDT 09/04/2011

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce